F1G. 1

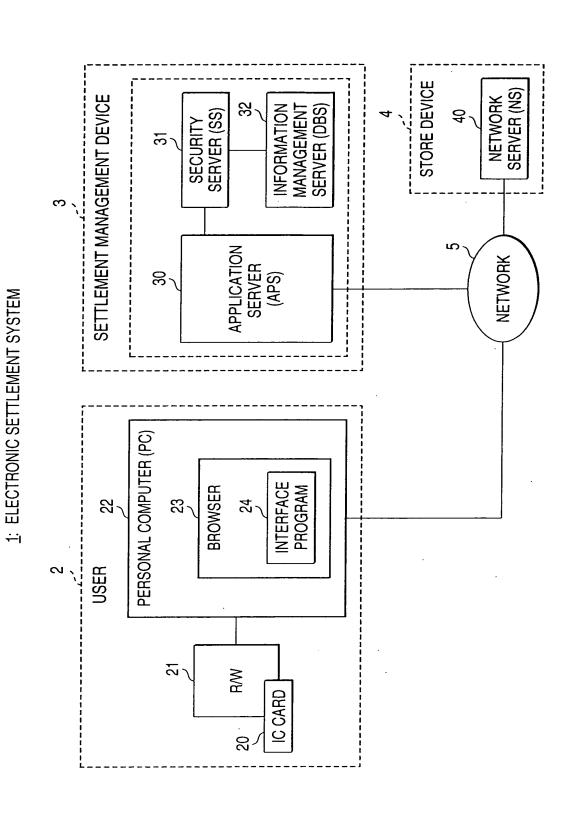


FIG. 2A

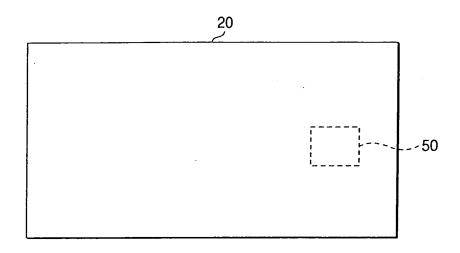
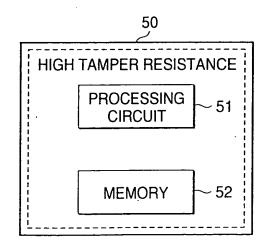


FIG. 2B



၉

SETTLEMENT MANAGEMENT DEVICE SECURITY SERVER 8 PKI PROTOCOL IC CARD 23 I INTERFACE PROGRAM ₩ BROWSER PROGRAM 2, USER ည 25

FIG. 3

HTTPS LAYER **NETWORK SERVER** 8 PKI PROTOCOL INTERFACE PROGRAM IC CARD ₽₩ **BROWSER PROGRAM** USER <u>ප</u> 54 83 55,

FIG. 4

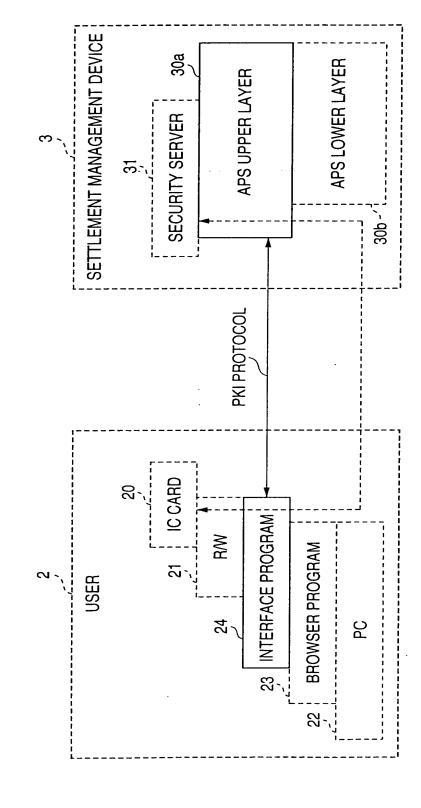


FIG. 5

FIG. 6

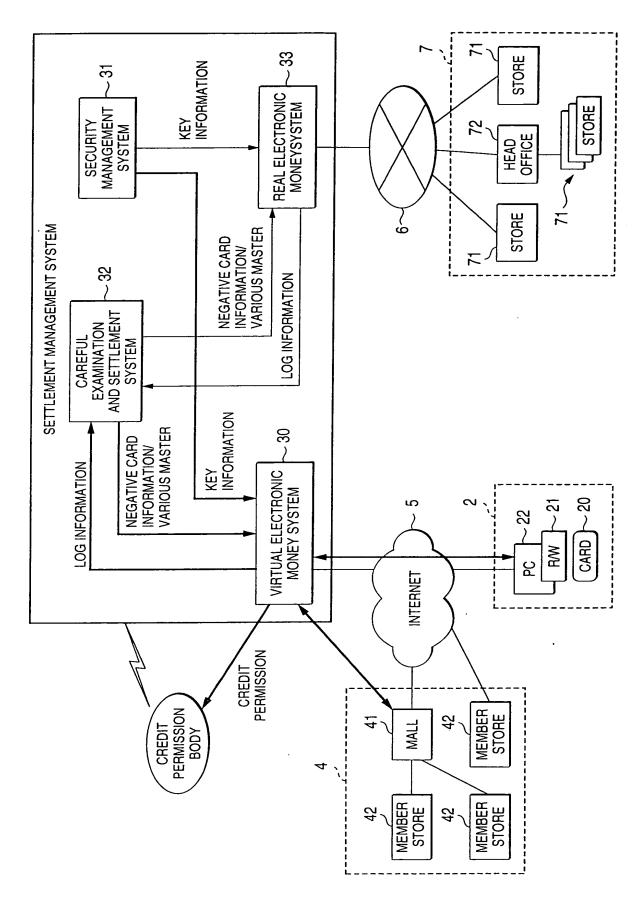


FIG. 7

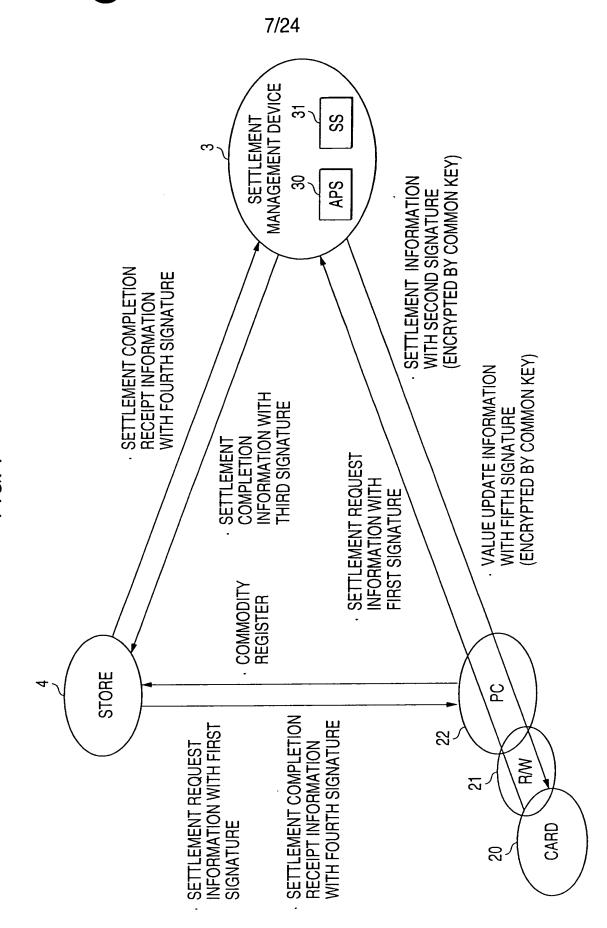


FIG. 8

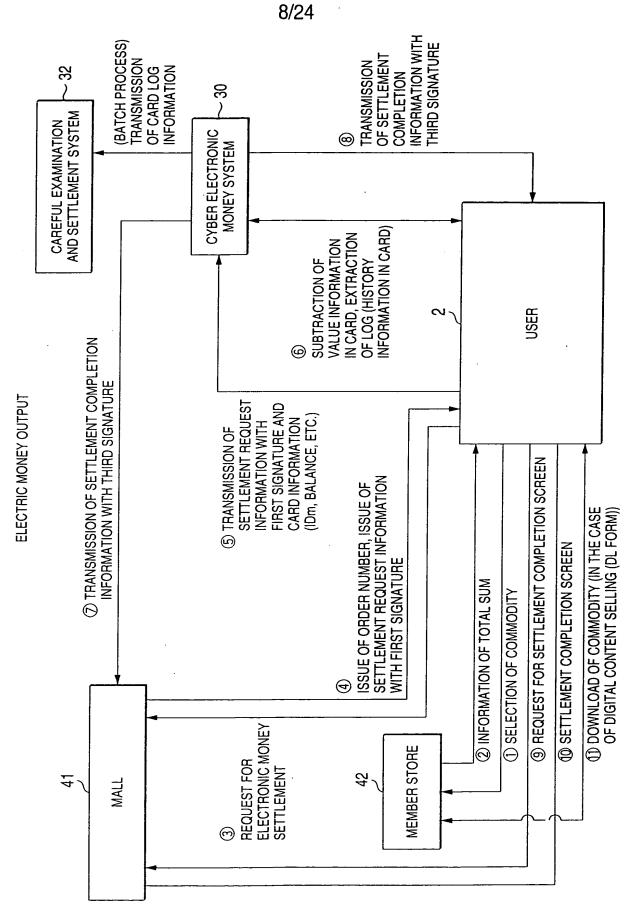


FIG. 9

FIG. 10

~ST12 ST13 MUTUAL AUTHENTICATION SETTLEMENT INFORMATION (BRC) CREATION OF LOG INFORMATION O~ Kses 工 ろ る SIG2 TO \$ 8 SS KSHOP, P ~ST12 KSES SIG2 CHECK (CKECK OF BILL) ST9 BRC RELAY VALUE INFORMATION TRANSMISSION SEQUENCE (1) APS SETTLEMENT REQUEST INFORMATION ST13 ~ BRC RELAY KSHOP, P ПО S ~ST12 KSHOP, S BRC RELAY 22 <u>ე</u> SETTLEMENT REQUEST INFORMATION (STG1) SSL AUTHENTICATION ST13~ BRC RELAY ST7 24 START, ST8 IC CARD BALANCE INFORMATION BI READOUT ST13 KSES Kses~(

10/24

FIG. 11

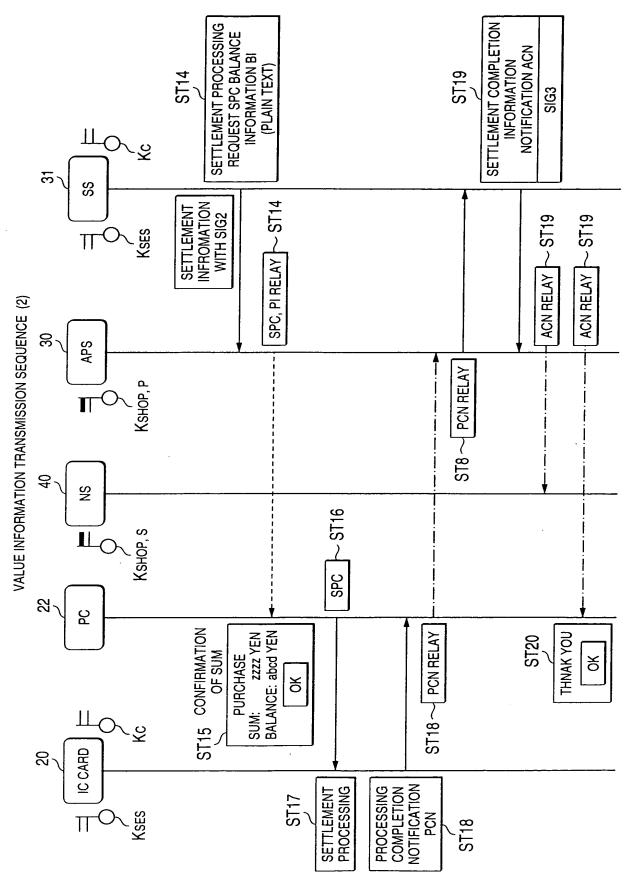


FIG. 12

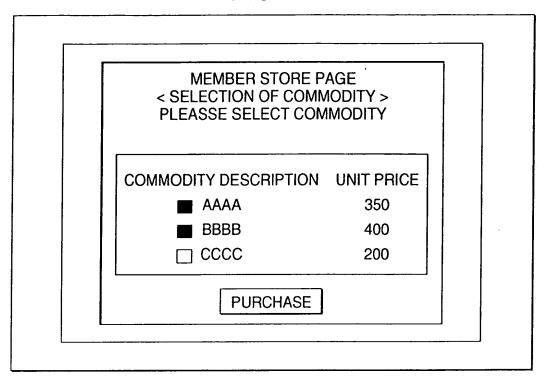


FIG. 13

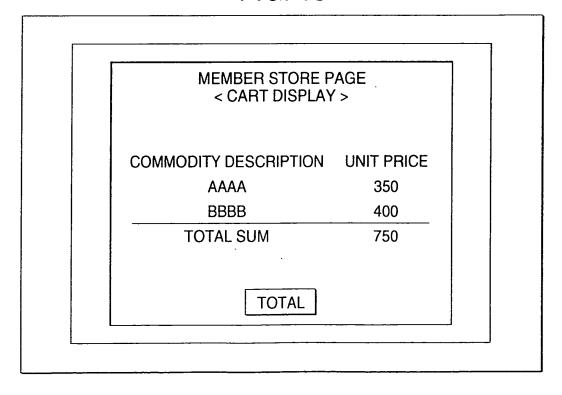


FIG. 14

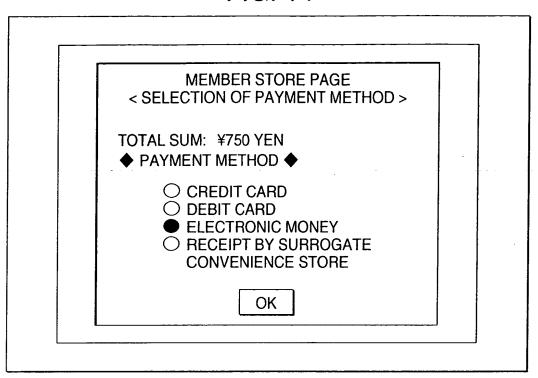


FIG. 15

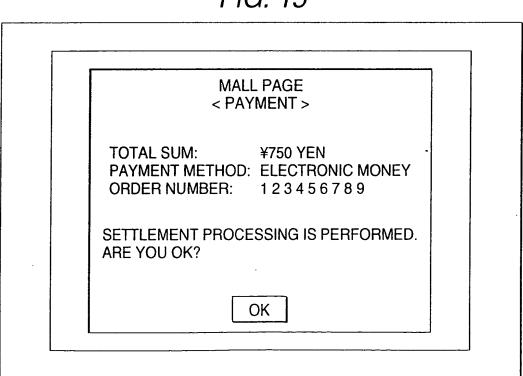


FIG. 16

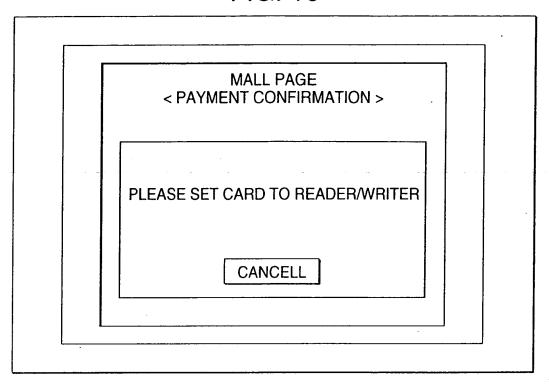


FIG. 17

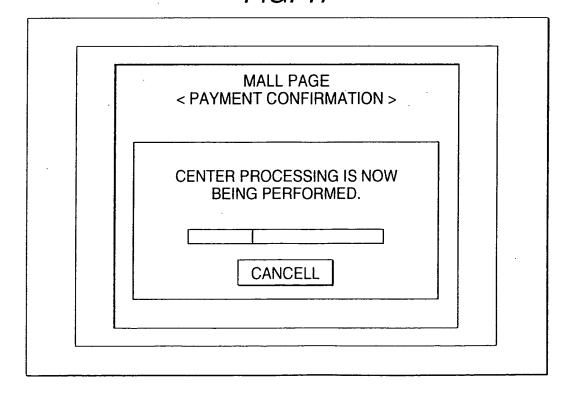


FIG. 18

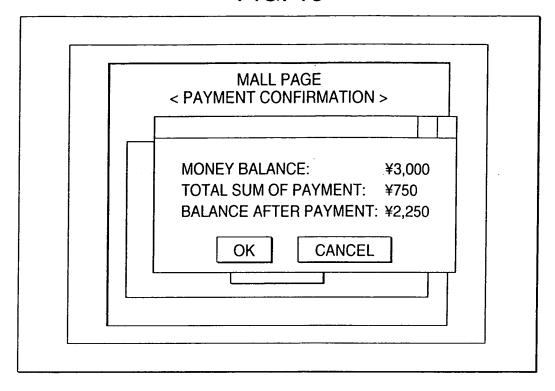


FIG. 19

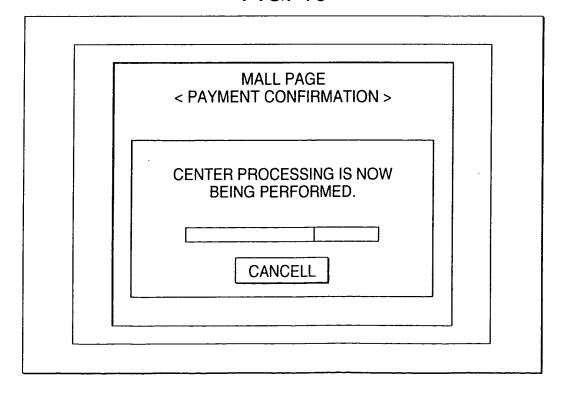
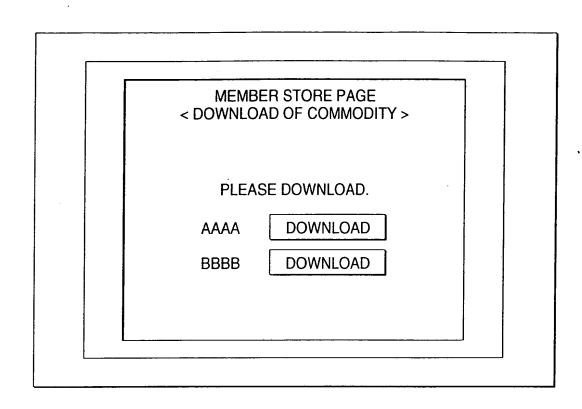


FIG. 20



SS KSES APS KSHOP, P KSHOP, S SESSION ID (ORDER ID) SETTLEMENT REQUEST COMMODITY INFORMATION TRANSMISSION SEQUENCE INFORMATION WITH SIGNATURE MALL INFORMATION SUM EFFECTIVE PERIOD SIG1 ST103 8 g COMMODITY: xx yy VALUE TOTAL: BALANCE CONFIRMATION SETTLEMENT REQUEST START OF Activex AND AL: ZZZZ YEN PLEASE PUT CARD KSHOP, S WITH SIGNATURE INFORMATION ST105 ST104 š ပ္ပ COMMODITY DETERMINATION **AUTHENTICATION** SSL AUTHENTICATION ST106 ST101 BALANCE AND IDM ST102~ IC CARD BALANCE AND IDm READ XSES C

FIG. 21

FIG. 22

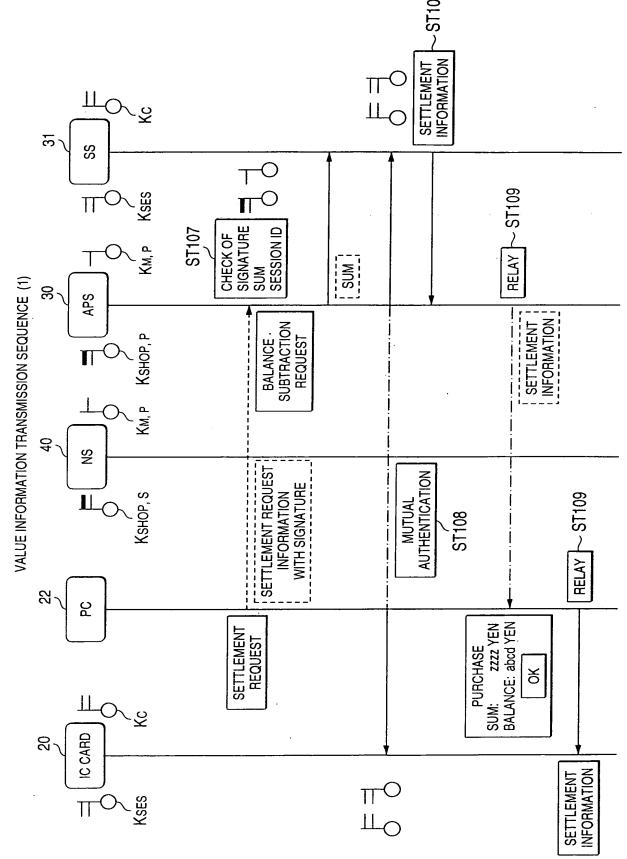
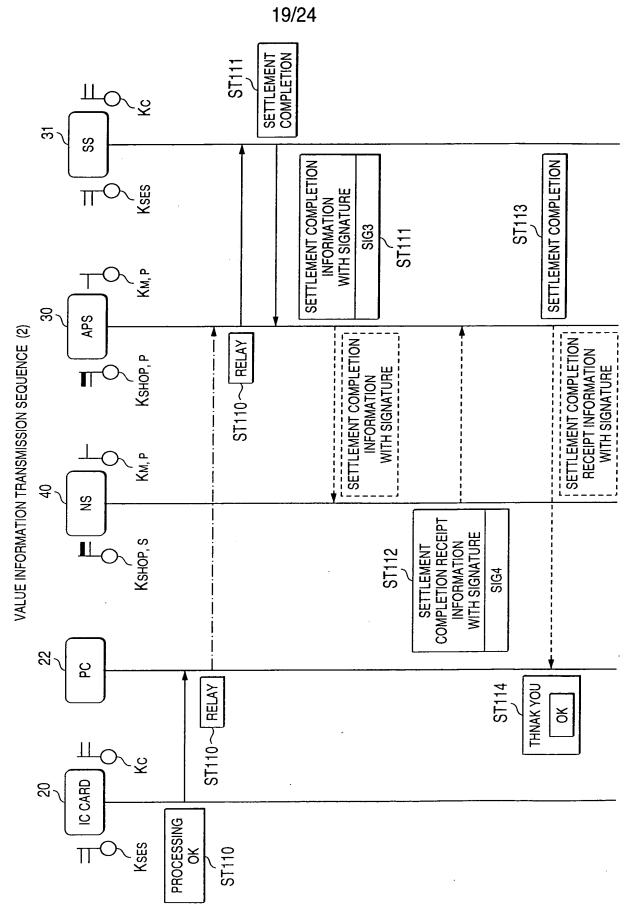


FIG. 23





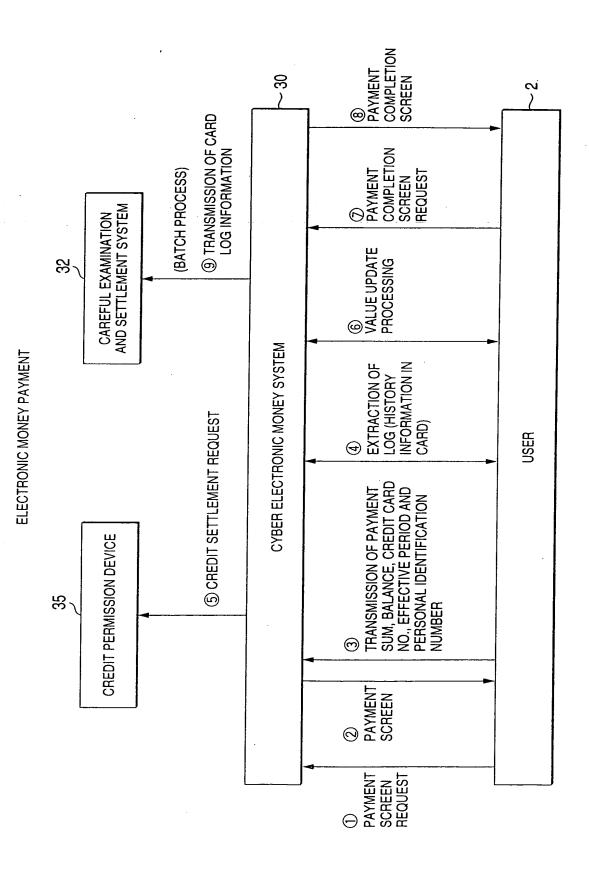


FIG. 25

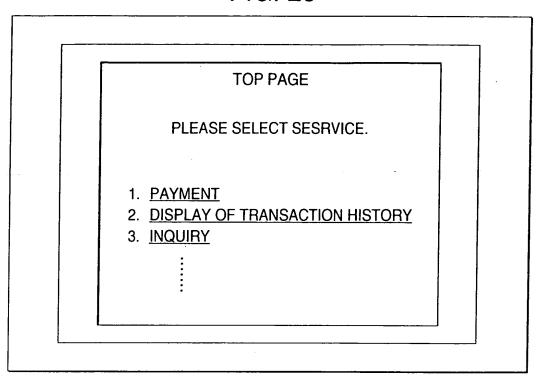


FIG. 26

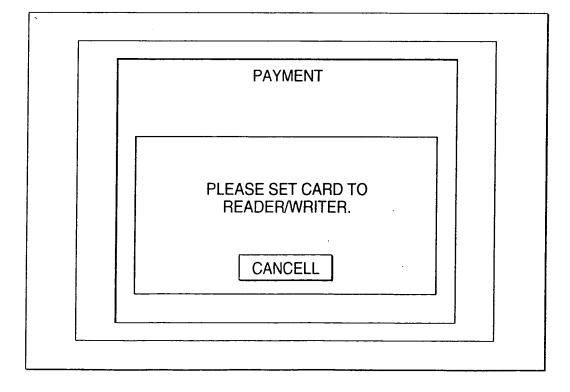


FIG. 27

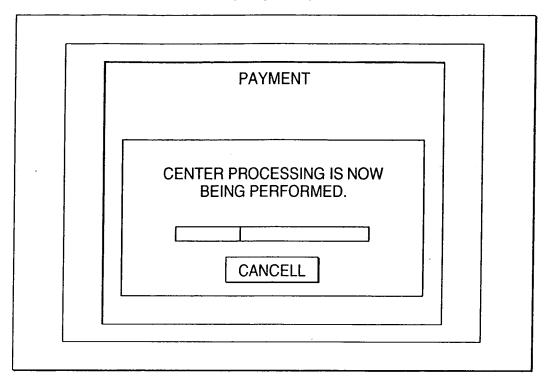


FIG. 28

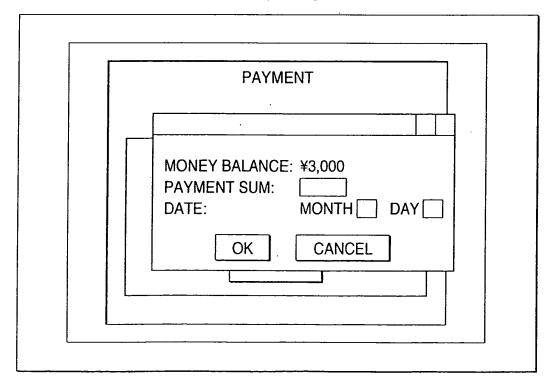


FIG. 29

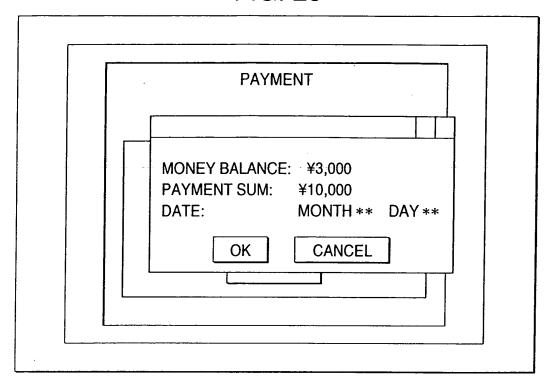


FIG. 30

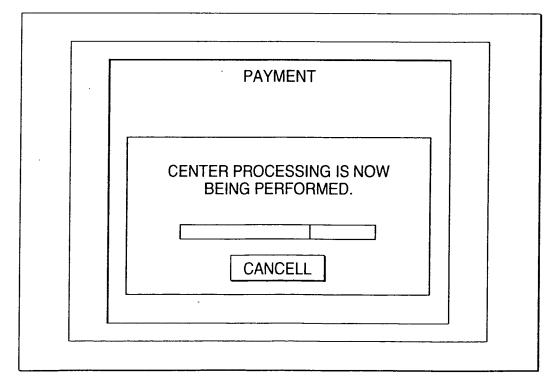


FIG. 31

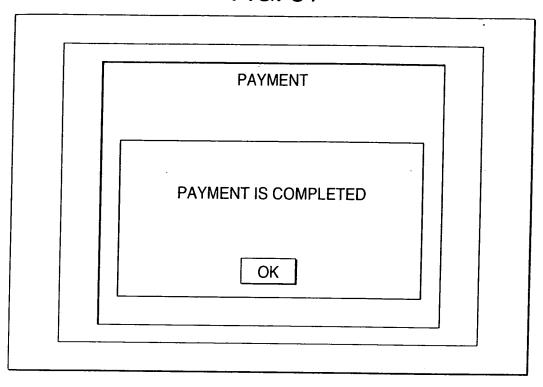


FIG. 32

